

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	177	(protect\$3 adj layer) with (bias\$3 adj (layer or material))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:33
L2	5072	(etch\$3 or remov\$3) near (protect\$3 adj layer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:31
L3	12	1 and 2	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 09:56
L4	17	("5018037" "5079035" "5287238" "5408377" "5442507" "5465185" "5701223" "5768067" "5784225" "5869963" "5959810" "6038107" "6061211" "6117569" "6134090" "6219207" "6327122").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 10:01
L5	25	("5018037" "5079035" "5287238" "5408377" "5442507" "5465185" "5701223" "5705973" "5751521" "5768067" "5784225" "5869963" "5949623" "5959810" "5995338" "6038107" "6061211" "6117569" "6134090" "6175477" "6185078" "6219207" "6243241" "6262869" "6327122").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 10:03
L6	10	("5959810" "5995338" "6061211" "6074767" "6118624" "6128167" "6134090" "6175477" "6201673" "6243241").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 10:22
L7	292	SHIMAZAWA-KOJI.in. or TERUNUMA-KOICHI.in.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:15
L8	3	2 and 7	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:22

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L9	6	("5438470" "6025979" "6040962" "6093444" "6141190" "6146775").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 10:23
L10	8	("4271441" "4639806" "4663685" "4803580" "5005096" "5018037" "5168409" "5351158").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 10:25
L11	7	("4663685" "5018037" "5206590" "5438470" "5608593" "5699213" "5936810").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 10:25
L12	8	("4271441" "4639806" "4663685" "4803580" "5005096" "5018037" "5168409" "5351158").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 10:26
L13	13	("4024489" "5018037" "5438470" "5641557" "5646805" "5701221" "5739988" "5739990" "5748416" "5754376" "5805389" "5847904" "5876843").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 10:26
L14	15	("5876843").URPN.	USPAT	OR	ON	2006/02/28 10:27
L15	30	(US-20030011941-\$).did. or (US-5996213-\$ or US-5459099-\$ or US-6054023-\$ or US-5898548-\$ or US-6433970-\$ or US-5901018-\$ or US-4803181-\$ or US-4502914-\$ or US-6862798-\$ or US-6423475-\$ or US-6291137-\$ or US-6185081-\$ or US-6519118-\$ or US-6833979-\$ or US-6153062-\$ or US-6327107-\$ or US-6185080-\$ or US-6282069-\$ or US-6266218-\$ or US-5648298-\$ or US-6791804-\$ or US-6690554-\$ or US-6587315-\$ or US-5959810-\$ or US-6118624-\$ or US-5876843-\$).did. or (US-6663987-\$).did. or (JP-11224411-\$ or JP-63312634-\$).did.	US-PGPUB; USPAT; JPO	OR	ON	2006/02/28 10:29
L16	3	2 and 15	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:29
L17	1069	((etch\$3 or remov\$3) near (protect\$3 adj layer)).clm.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:29

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L18	448	(etch\$3 or remov\$3) near (oxidiz\$5 adj layer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:31
L19	68	((etch\$3 or remov\$3) near (oxidiz\$5 adj layer)).clm.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:31
L20	3	17 and 19	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:32
L21	1134	17 or 19	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:32
L22	177	((protect\$3 or oxidiz\$5) adj layer) with (bias\$3 adj (layer or material))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:17
L23	6	21 and 22	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:34
L24	5513	2 or 18	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:34
L25	12	22 and 24	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:34
L26	0	jp-1131313-\$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:13
L27	2	jp-10131313-\$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:11
L28	1	jp-01131313-\$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:12
L29	7	"1131313"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:12

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L30	0	jp-08450373-\$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:13
L31	0	jp-0845037-\$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:13
L32	2	jp-08045037-\$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:14
L33	0	jp-9282618-\$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:14
L34	2	jp-09282618-\$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:14
L35	6445	(magnetoresist\$3 near (element or device))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:15
L36	67	7 and 35	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:16
L37	0	36 and ((protect\$3 or oxidiz\$5) adj layer) same (bias\$3 adj (layer or material))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:17
L38	0	7 and ((protect\$3 or oxidiz\$5) adj layer) same (bias\$3 adj (layer or material))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:18
L39	2	7 and ((protect\$3 adj layer) and (bias\$3 adj (layer or material)))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:18
L40	14	7 and ((protect\$3 adj layer) and (bias\$3 near (layer or material)))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:37
L41	8	((("6040962") or ("5438470") or ("6141190") or ("6344953")).PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	OFF	2006/02/28 11:37

EAST Search History

S1	4041	29/603.07,603.09,603.13,603.14,417,846,850,854.ccls.	USPAT; JPO; DERWENT	OR	ON	2006/02/24 09:01
S2	5154	magnetoresistive adj (element or material or sensor)	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:15
S3	26298	(connect\$3 or conduct\$3) adj pad	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:08
S4	72	(magnetoresistive adj (element or material or sensor)) and ((connect\$3 or conduct\$3) adj pad)	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:14
S5	6	29/603.07,603.09,603.13,603.14,417,846,850,854.ccls. and ((magnetoresistive adj (element or material or sensor)) and ((connect\$3 or conduct\$3) adj pad))	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:08
S6	79	"5465186".URPN.	USPAT	OR	ON	2004/11/04 15:10
S7	9	("4317149" "4761699" "4786993" "4800454" "4841395" "4987514" "4996623" "5270645" "5361547").PN.	USPAT	OR	ON	2004/11/04 15:13
S8	11	((magnetoresistive adj (element or material or sensor)) and ((connect\$3 or conduct\$3) adj pad)) and ((web or substrate) same cut\$3)	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:16
S9	67	(magnetoresistive adj (element or sensor)) and ((connect\$3 or conduct\$3) adj pad)	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:16
S10	54	((magnetoresistive adj (element or sensor)) and ((connect\$3 or conduct\$3) adj pad)) and (web or substrate)	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:16
S11	53	((magnetoresistive adj (element or sensor)) and ((connect\$3 or conduct\$3) adj pad)) and (web or substrate)) and connect\$3	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:30
S12	3	("4847584" "5247278" "5583424").PN.	USPAT	OR	ON	2005/09/09 10:24
S13	9	"5952825".URPN.	USPAT	OR	ON	2004/11/04 15:25
S14	527	360/324.1,324.11,324.12.ccls.	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:30

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S15	2	((magnetoresistive adj (element or sensor)) and ((connect\$3 or conduct\$3) adj pad)) and 360/324.1,324.11,324.12.ccls.	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:31
S16	9121	427/127-131.ccls.	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:31
S17	0	((magnetoresistive adj (element or sensor)) and ((connect\$3 or conduct\$3) adj pad)) and 427/127-131.ccls.	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:31
S18	0	(magnetoresistive adj element) same (conduct\$3 adj pad) same connect\$3 same (web or substrate)	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:33
S19	2	(magnetoresistive adj element) same (conduct\$3 adj pad) same connect\$3	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:33
S28	2	("4847584").PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2004/11/05 09:36
S29	15	"4847584".URPN.	USPAT	OR	ON	2004/11/05 09:41
S30	53	360/316.ccls.	USPAT; JPO; DERWENT	OR	ON	2004/11/09 09:34
S31	8	360/316.ccls. and (MR adj sensors)	USPAT; JPO; DERWENT	OR	ON	2004/11/09 09:34
S34	1	((US-6344951-\$).did.)	USPAT	OR	OFF	2004/11/09 09:51
S35	0	((US-6344951-\$).did.) and (MR adj element)	USPAT; JPO; DERWENT	OR	ON	2004/11/09 10:13
S36	0	((US-6344951-\$).did.) and MR	USPAT; JPO; DERWENT	OR	ON	2004/11/09 09:52
S37	1	((US-6344951-\$).did.) and (spin adj valve)	USPAT; JPO; DERWENT	OR	ON	2004/11/09 09:52
S38	0	((US-6344951-\$).did.) and (spin adj valve)) and pad	USPAT; JPO; DERWENT	OR	ON	2004/11/09 09:52
S39	1	((US-6344951-\$).did.) and (spin adj valve)) and conduct\$3	USPAT; JPO; DERWENT	OR	ON	2004/11/09 10:05

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S41	1680	216/22,48.ccls.	USPAT; JPO; DERWENT	OR	ON	2004/11/09 10:12
S42	59	216/22,48.ccls. and (MR adj element)	USPAT; JPO; DERWENT	OR	ON	2004/11/09 10:17
S43	30	(216/22,48.ccls. and (MR adj element)) and magnetiz\$5	USPAT; JPO; DERWENT	OR	ON	2004/11/09 10:13
S44	12	((216/22,48.ccls. and (MR adj element)) and magnetiz\$5) and cut\$4	USPAT; JPO; DERWENT	OR	ON	2004/11/09 10:33
S51	1	(US-6452382-\$).did.	USPAT	OR	OFF	2004/11/09 10:33
S52	0	((US-6452382-\$).did.) and cut\$4	USPAT; JPO; DERWENT	OR	ON	2004/11/09 10:33
S60	7	(US-5247278-\$ or US-5583424-\$ or US-5805390-\$ or US-5952825-\$ or US-6344951-\$ or US-6452382-\$).did. or (JP-10302203-\$).did.	USPAT; JPO	OR	ON	2005/03/23 12:49
S61	3	("6700759").PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/09/09 15:48
S62	16	("5459099" "5559654" "5621596" "5729410" "5784224" "5792510" "5862022" "5880912" "5883763" "5898548" "6005753" "6023395" "6043960" "6054023" "6259586" "6381107").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 10:12
S63	24	(sensor adj layer) with wall	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:27
S64	0	(sensor adj layer) with ((perpendicular or vertical) near wall)	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:28
S65	2	(sensor adj layer) near wall	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:27
S66	319	(sensor or (spin adj valve) or magnetoresistive) with ((perpendicular or vertical) near wall)	USPAT; JPO; DERWENT	OR	ON	2005/09/09 15:21

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S67	27	(sensor or (spin adj valve) or magnetoresistive) with ((perpendicular or vertical) near wall) same (etch\$3 or remov\$3)	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:33
S68	0	((sensor adj layer) or ((spin adj valve) near layer) or (magnetoresistive adj element)) with (conductive near wall)	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:34
S69	0	((sensor adj layer) or ((spin adj valve) near layer) or (magnetoresistive adj element)) same (conductive near wall)	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:34
S70	0	((sensor adj layer) or ((spin adj valve) near layer) or (magnetoresistive adj element)) same (conductive near (wall or frame or mask\$3))	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:35
S71	4109	(conductive adj (wall or frame or mask\$3))	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:39
S72	5380	((sensor adj layer) or ((spin adj valve) near layer) or (magnetoresistive adj element))	USPAT; JPO; DERWENT	OR	ON	2005/09/09 11:46
S73	0	S71 and S72	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:36
S74	73	(laminat\$3 or stack\$3 or form\$3 or deposit\$3) with (first adj magnetic adj layer) with (nonmagnetic adj layer) with (second adj magnetic adj layer)	USPAT; JPO; DERWENT	OR	ON	2005/09/11 08:30
S75	0	S71 and S74	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:38
S76	7257	(conductive near (wall or frame or mask\$3))	USPAT; JPO; DERWENT	OR	ON	2005/09/09 11:46
S77	0	S74 and S76	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:39
S78	167	kim-paul-d.xa.	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:55
S79	5	("6018862" "6204997" "6483663" "6510024" "6661621").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 11:27

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S80	2	("6460243").PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/09/09 11:27
S81	16	("5459099" "5559654" "5621596" "5729410" "5784224" "5792510" "5862022" "5880912" "5883763" "5898548" "6005753" "6023395" "6043960" "6054023" "6259586" "6381107").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 11:30
S82	3	S72 and S76	USPAT; JPO; DERWENT	OR	ON	2005/09/09 11:34
S83	7153	narrow with sensor	USPAT; JPO; DERWENT	OR	ON	2005/09/09 11:35
S84	161	S72 and S83	USPAT; JPO; DERWENT	OR	ON	2005/09/09 11:35
S85	0	S76 and S84	USPAT; JPO; DERWENT	OR	ON	2005/09/09 11:35
S86	67	S84 and mask\$3	USPAT; JPO; DERWENT	OR	ON	2005/09/09 11:41
S89	14	("4914538" "5268806" "5491600" "5668688" "5680282" "5828232" "5883764" "5901018" "6002553" "6023395" "6114719" "6118638" "6134089" "6249407").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 11:43
S90	1634	((sensor adj layer) or ((spin adj valve) near layer) or (magnetoresistive adj element))	US-PGPUB	OR	ON	2005/09/11 08:27
S91	1484	(conductive near (wall or frame or mask\$3))	US-PGPUB	OR	ON	2005/09/09 11:47
S92	6	S90 and S91	US-PGPUB	OR	ON	2005/09/09 13:36
S93	197	360/324.2.ccls.	US-PGPUB	OR	ON	2005/09/09 13:38
S94	176	S93 and tunnel	US-PGPUB	OR	ON	2005/09/09 13:36
S95	115	S93 and tunnel and MR	US-PGPUB	OR	ON	2005/09/09 13:37
S96	57	S93 and tunnel and MR and etch\$3	US-PGPUB	OR	ON	2005/09/09 13:37

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S98	412	360/324.2.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/09 13:39
S99	64	S98 and (tunnel\$3 same MR same layer\$1) and etch\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/09 13:39
S10 1	14	("4914538" "5268806" "5491600" "5668688" "5680282" "5828232" "5883764" "5901018" "6002553" "6023395" "6114719" "6118638" "6134089" "6249407").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 14:54
S10 2	13	("4502914" "4599790" "4759822" "4774206" "4803181" "4857477" "4947413" "4968646" "5089913" "5102827" "5110760" "5231040" "5288654").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 15:00
S10 3	12	("4343082" "4358340" "4432132" "4455738" "4502914" "4568565" "4578157" "4608271" "4645563" "4784718" "4803181" "4886763").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 15:01
S10 4	6	("4042726" "4313782" "4331708" "4334348" "4354896" "4454014").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 15:05
S10 5	104	("4502914").URPN.	USPAT	OR	ON	2005/09/09 15:07
S10 6	9	("4502914" "4803181" "5595941" "5665203" "5705321" "5710066" "5714039" "5895740" "6291137").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 15:12
S10 7	9	("4502914" "4803181" "5595941" "5665203" "5705321" "5710066" "5714039" "5895740" "6291137").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 15:13
S10 8	8	("4502914" "4803181" "5595941" "5665203" "5705321" "5710066" "5714039" "5895740").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 15:13
S10 9	2	("6291137").URPN.	USPAT	OR	ON	2005/09/09 15:13

EAST Search History

S11 0	35	(sensor or (spin adj valve) or magnetoresistive) with ((perpendicular or vertical) near wall)	EPO; JPO	OR	ON	2005/09/09 15:22
S11 1	947	(sensor or (spin adj valve) or magnetoresistive) with etch\$3	EPO; JPO	OR	ON	2005/09/09 15:22
S11 2	0	(sensor or (spin adj valve) or magnetoresistive) with etch\$3 with liftoff	EPO; JPO	OR	ON	2005/09/09 15:22
S11 3	1	(sensor or (spin adj valve) or magnetoresistive) with etch\$3 with (lift adj off)	EPO; JPO	OR	ON	2005/09/09 15:22
S11 4	31	(bias adj layers) near sensor	USPAT; JPO; DERWENT	OR	ON	2005/09/09 16:01
S11 7	3	("6700759").PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/09/09 15:48
S12 2	0	(plurality near (bias adj layers)) and (pole adj tip)	USPAT; JPO; DERWENT	OR	ON	2005/09/09 16:02
S12 3	227	((bias adj layers)) and (pole adj tip)	USPAT; JPO; DERWENT	OR	ON	2005/09/09 16:02
S12 4	21	((bias adj layers)) same (pole adj tip)	USPAT; JPO; DERWENT	OR	ON	2005/09/09 16:02
S12 5	34	((sensor adj layer) or ((spin adj valve) near layer) or (magnetoresistive adj element)) same (liftoff or (lift adj off))	US-PGPUB	OR	ON	2005/09/11 08:28
S12 7	276	((sensor adj layer) or ((spin adj valve) near layer) or (magnetoresistive adj element)) and (liftoff or (lift adj off))	US-PGPUB	OR	ON	2005/09/11 08:35
S12 9	9	(spin adj valve) with (first adj magnetic adj layer) with (nonmagnetic adj layer) with (second adj magnetic adj layer)	USPAT; JPO; DERWENT	OR	ON	2005/09/11 08:30
S13 0	26	((sensor adj layer) or ((spin adj valve) near layer) or (magnetoresistive adj element)) and ((first adj magnetic adj layer) with (nonmagnetic adj layer) with (second adj magnetic adj layer))	US-PGPUB	OR	ON	2005/09/11 08:34

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S13 2	1634	((sensor adj layer) or ((spin adj valve) near layer) or (magnetoresistive adj element))	US-PGPUB	OR	ON	2005/09/11 08:35
S13 5	2	("6282069").PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/09/11 08:37
S13 7	81	204/192.15.ccls. and (sputtering with (conductive adj (layer or material)))	USPAT; JPO; DERWENT	OR	ON	2005/09/11 09:50
S13 8	0	S132 and S137	USPAT; JPO; DERWENT	OR	ON	2005/09/11 09:45
S13 9	6	S137 and sensor	USPAT; JPO; DERWENT	OR	ON	2005/09/11 09:45
S14 0	1	(US-6153062-\$).did.	USPAT	OR	ON	2005/09/11 09:50
S14 1	1	S140 and sputtering	USPAT; JPO; DERWENT	OR	ON	2005/09/11 09:50
S14 2	2	("6556391").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	OFF	2006/02/24 09:02
S14 3	12	("20020006020" "5739987" "5898548" "5901018" "6157526" "6185080" "6210810" "6266218" "6295186" "6327107" "6333842" "6381107").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/24 09:02
S14 4	21	(US-20030011941-\$).did. or (US-6433970-\$ or US-6862798-\$ or US-6291137-\$ or US-6185081-\$ or US-5996213-\$ or US-6833979-\$ or US-6054023-\$ or US-4502914-\$ or US-6153062-\$ or US-6423475-\$ or US-5459099-\$ or US-6282069-\$ or US-6519118-\$ or US-4803181-\$ or US-6327107-\$ or US-6266218-\$ or US-6185080-\$ or US-5901018-\$ or US-5898548-\$).did. or (JP-11224411-\$).did.	US-PGPUB; USPAT; JPO	OR	ON	2006/02/24 09:08
S14 5	0	S144 and (soft near magnetic\$4 near layer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/24 09:09

EAST Search History

S14 6	2	S144 and (soft near magnetic\$4)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/24 09:09
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IEEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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Kools, J.C.S.; Ruigrok, J.J.M.; Postma, B.; De Nooijer, M.C.; Folkerts, W.;

[Magnetics, IEEE Transactions on](#)

Volume 33, Issue 6, Nov. 1997 Page(s):4513 - 4521

Digital Object Identifier 10.1109/20.649889

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